

## EAST Search History

| Ref # | Hits  | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|--|------------------|---------|---------------------|
| L4    | 783   | nano near (object subject partical dot line)   | US-PGPUB;<br>USPAT   | OR               | ON      | 2009/07/04<br>20:37 |
| L5    | 63    | 4 and beta   | US-PGPUB;<br>USPAT   | OR               | ON      | 2009/07/04<br>20:37 |
| L6    | 13    | 5 and (sic (silicon near carbide))   | US-PGPUB;<br>USPAT   | OR               | ON      | 2009/07/04<br>20:38 |
| L7    | 2847  | ((257/14) or (257/94) or (257/E29.071) or (257/E31.055) or (257/E33.003)).CCLS.  | US-PGPUB;<br>USPAT   | OR               | OFF     | 2009/07/04<br>20:41 |
| S1    | 37    | "3998662"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/09/30<br>19:46 |
| S2    | 71    | ("2813048"   "3897277"   "3898106"   "3899361"   "3899362"   "3901736"   "3902925"   "3904442"   "3910801"   "3936319"   "3956023").PN. OR ("3998662").URPN. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/09/30<br>19:46 |
| S3    | 14    | metal and nano?object  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/09/30<br>22:22 |
| S4    | 61    | (atomic nano) near thread  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/09/30<br>19:47 |
| S5    | 7749  | quantum near1 (dot metal bump)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/09/30<br>19:47 |
| S6    | 18083 | monocrystalline with substrate   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/09/30<br>20:50 |

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| S7  | 90    | S5 and S6   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/30<br>19:47 |
| S8  | 2     | "20050211970"                                       | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/30<br>19:48 |
| S9  | 2     | ("2002/0088970").URPN.                              | USPAT  | OR | ON | 2007/09/30<br>19:49 |
| S10 | 1603  | nano and ((sodium near5<br>potassium) with metal)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/30<br>20:27 |
| S11 | 996   | nano and ((sodium near5<br>potassium) near3 metal)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/30<br>19:54 |
| S12 | 697   | nano and ((sodium near5<br>potassium) near2 metal)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/30<br>19:54 |
| S13 | 3     | S6 and S10  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/30<br>19:56 |
| S14 | 32973 | (diamond (silicon near2<br>carbide)) with substrate | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/30<br>20:51 |
| S15 | 22    | S10 and S14   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/30<br>20:26 |
| S16 | 2005  | nano and ((potassium)<br>with metal)                | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/30<br>20:29 |
| S17 | 36    | S14 and S16   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/30<br>20:27 |

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| S18 | 2543 | nano and ((potassium) same metal)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/30<br>20:30 |
| S19 | 47   | S14 and S18  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/30<br>20:42 |
| S20 | 27   | (jellium alkaline) near metal with nano  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/30<br>22:21 |
| S21 | 953  | (jellium alkaline) near metal and nano   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/30<br>20:50 |
| S22 | 1    | S6 and S21   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/30<br>20:50 |
| S23 | 1    | monocrystalline and S21  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/30<br>20:50 |
| S24 | 184  | (diamond (silicon near2 carbide)) and S21  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/30<br>20:51 |
| S25 | 203  | metal and (nano near (dot bump))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/30<br>22:26 |
| S26 | 175  | metal and (nano near (dot bump))   | US-PGPUB;<br>USPAT   | OR | ON  | 2007/09/30<br>22:26 |
| S27 | 3763 | ((257/12) or (257/43) or (257/E21.272) or (257/E49.001) or (438/785) or (438/962)).CCLS. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/10/01<br>09:56 |
| S28 | 2009 | nano near (dot line metal bump)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/06<br>19:51 |

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| S29 | 139970 | transition near metal  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/06<br>19:51 |
| S30 | 559947 | sodium and potassium   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/06<br>19:51 |
| S31 | 187    | S28 and S29  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/06<br>19:51 |
| S32 | 37     | S31 and S30  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/07/06<br>19:51 |
| S33 | 3963   | ((257/12) or (257/43) or<br>(257/E21.272) or (257/<br>E49.001) or (438/785) or<br>(438/962)).CCLS.         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2008/07/06<br>19:59 |
| S34 | 1      | ("20020053666").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/08/20<br>16:32 |
| S35 | 4160   | ((257/12) or (257/43) or<br>(257/E21.272) or (257/<br>E49.001) or (438/785) or<br>(438/962)).CCLS.         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2009/01/03<br>09:18 |
| S36 | 19753  | monocrystalline with<br>substrate  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/01/03<br>09:19 |
| S37 | 2272   | nano and ((sodium near5<br>potassium) with metal)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/01/03<br>09:19 |
| S38 | 3      | S36 and S37  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2009/01/03<br>09:19 |
| S39 | 5      | ((("7008886") or<br>("20030102490") or<br>("20040101625") or<br>("20040104406") or<br>("20050064639")).PN. | US-PGPUB;<br>USPAT   | OR | OFF | 2009/01/03<br>09:29 |

7/4/2009 8:41:50 PM

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